

CLAIM LISTING

Claims 1-3 (Cancelled)

Claim 4 (Currently Amended): A resorbable polymer composition comprising:

a melt processed base material including a polymer matrix of resorbable polymer(s) or copolymer(s), and

N-methyl-2-pyrrolidone (NMP),

wherein the NMP is present in an amount imparting osteogenic properties ~~[[for]]~~ to the resorbable polymer composition, and wherein the NMP is present in an amount between 0.05 and 50 weight- %.

Claims 5-7 (Cancelled)

Claim 8 (Currently Amended): A resorbable implant having osteogenic properties, comprising:

a melt processed base material including polymer matrix of resorbable polymer(s) or copolymer(s), and

~~N-methyl-2-pyrrolidone (NMP)~~

wherein the NMP is present in an amount between 0.05 and 50 weight- %.

Claim 9 (Currently Amended): A method of making an implant having osteogenic properties comprising the steps of:

selecting polymer(s) or copolymer(s) ~~of a polymer matrix of the implant,~~

adding NMP to the polymer(s) or copolymer(s) ~~matrix~~ in an amount imparting osteogenic properties to ~~[[for]]~~ the implant,

melt processing the polymer(s) or copolymer(s) to form a polymer matrix, and

forming the implant from ~~the mixture of said polymer matrix and NMP.~~

Claims 10-11 (Cancelled)

Claim 12 (Currently Amended): A resorbable polymer composition comprising:
a melt processed base material including a polymer matrix of resorbable polymer(s) or copolymer(s), and
~~N-methyl-2-pyrrolidone (NMP)~~,
wherein the NMP is present in an amount between 0.05 and 50 weight- %.

Claim 13 (Previously Presented): The resorbable polymer composition of claim 12, wherein the polymer matrix is selected from a group consisting of polyglycolide, polylactides, polycaprolactones, polytrimethylenecarbonates, polyhydroxybutyrates, polyhydroxyvalerates, polydioxanones, polyorthoesters, polycarbonates, polytyrosinecarbonates, polyorthocarbonates, polyalkylene oxalates, polyalkylene succinates, poly(malic acid), poly(maleic anhydride), polypeptides, polydepsipeptides, polyvinylalcohol, polyesteramides, polyamides, polyanhydrides, polyurethanes, polyphosphazenes, polycyanoacrylates, polyfumarates, poly(amino acids), modified polysaccharides, modified proteins and their copolymers, terpolymers or combinations or mixtures or polymer blends thereof.

Claim 14 (Previously Presented): The resorbable polymer composition of claim 12, wherein the polymer matrix is selected from the group consisting of polyglycolide, poly(L-lactide-co-glycolide), poly(D,L-lactide-co-glycolide), poly(L-lactide), poly(D,L-lactide), poly(L-lactide-co-D,L-lactide), polycaprolactone, poly(L-lactide-co-caprolactone), poly(D,L-lactide-co-caprolactone) polytrimethylenecarbonate, poly(L-lactide-co-trimethylenecarbonate), poly(D,L-lactide-co-trimethylenecarbonate), polydioxanone and their copolymers, terpolymers or combinations or mixtures or polymer blends thereof.

Claim 15 (Currently Amended): A resorbable implant, comprising:
a melt processed base material including polymer matrix of resorbable polymer(s) or copolymer(s), and
~~N-methyl-2-pyrrolidone (NMP)~~, wherein the NMP is present in an amount between 0.05 and 50 weight- %.

Claim 16 (Previously Presented): The resorbable implant of claim 15, wherein the polymer matrix is selected from a group consisting of polyglycolide, polylactides, polycaprolactones, polytrimethylenecarbonates, polyhydroxybutyrates, polyhydroxyvalerates, polydioxanones, polyorthoesters, polycarbonates, polytyrosinecarbonates, polyorthocarbonates, polyalkylene oxalates, polyalkylene succinates, poly(malic acid), poly(maleic anhydride), polypeptides, polydepsipeptides, polyvinylalcohol, polyesteramides, polyamides, polyanhydrides, polyurethanes, polyphosphazenes, polycyanoacrylates, polyfumarates, poly(amino acids), modified polysaccharides, modified proteins and their copolymers, terpolymers or combinations or mixtures or polymer blends thereof.

Claim 17 (Previously Presented): The resorbable implant of claim 15, wherein the polymer matrix is selected from a group consisting of polyglycolide, poly(L-lactide-co-glycolide), poly(D,L-lactide-co-glycolide), poly(L-lactide), poly(D,L-lactide), poly(L-lactide-co-D,L-lactide), polycaprolactone, poly(L-lactide-co-caprolactone), poly(D,L-lactide-co-caprolactone) polytrimethylenecarbonate, poly(L-lactide-co-trimethylenecarbonate), poly(D,L-lactide-co-trimethylenecarbonate), polydioxanone and their copolymers, terpolymers or combinations or mixtures or polymer blends thereof.

Claim 18 (Currently Amended): A method of making an implant having osteogenic properties comprising the steps of:

selecting polymer(s) or copolymer(s) ~~of a polymer matrix of the implant~~,
adding NMP to the polymer(s) or copolymer(s) ~~matrix~~ in an amount between 0.05 and 50 weight- %,
melt processing the polymer(s) or copolymer(s) to form a polymer matrix, and
forming the implant from ~~the mixture of~~ said polymer matrix ~~and NMP~~.

Claim 19 (Currently Amended): A method of making an implant having osteogenic properties comprising the steps of:

selecting polymer(s) or copolymer(s) ~~of a polymer matrix of the implant~~,
mixing said polymer(s) or copolymer(s) ~~to form the polymer matrix~~,
melt processing the polymer(s) or copolymer(s) to form a polymer matrix,

forming the implant from said polymer matrix, and
adding NMP to the implant, wherein the NMP is present in an amount between 0.05 and 50 weight- %.

Claim 20 (Previously Presented): The method of making an implant having osteogenic properties of claim 19, wherein NMP is added to the implant preoperatively.

Claim 21 (New): A method of promoting osteogenesis comprising the steps of:
providing a resorbable polymer composition comprising a base material including a polymer matrix of resorbable polymer(s) or copolymer(s) and NMP, wherein the NMP is present in an amount imparting osteogenic properties to the resorbable polymer composition, and wherein the NMP is present in an amount between 0.05 and 50 weight- %, and
implanting the resorbable polymer composition into a recipient to promote osteogenesis.

Claim 22 (New): A method of promoting osteogenesis comprising the steps of:
providing a resorbable implant comprising a base material including polymer matrix of resorbable polymer(s) or copolymer(s) and NMP, wherein the NMP is present in an amount between 0.05 and 50 weight- %, and
implanting the resorbable implant into a recipient to promote osteogenesis.

Claim 23 (New): A method of promoting osteogenesis comprising the steps of:
selecting polymer(s) or copolymer(s),
adding NMP to the polymer(s) or copolymer(s) in an amount imparting osteogenic properties to the polymer(s) or copolymer(s),
mixing the polymer(s) or copolymer(s) to form a polymer matrix,
forming an implant from the polymer matrix, and
implanting the implant into a recipient to promote osteogenesis.

Claim 24 (New): A method of promoting osteogenesis comprising the steps of:

providing a resorbable polymer composition comprising a base material including a polymer matrix of resorbable polymer(s) or copolymer(s) and NMP, wherein the NMP is present in an amount between 0.05 and 50 weight-%, and

implanting the resorbable polymer composition into a recipient to promote osteogenesis.

Claim 25 (New): The method of promoting osteogenesis of claim 24, wherein the polymer matrix is selected from a group consisting of polyglycolide, polylactides, polycaprolactones, polytrimethylenecarbonates, polyhydroxybutyrates, polyhydroxyvalerates, polydioxanones, polyorthoesters, polycarbonates, polytyrosinecarbonates, polyorthocarbonates, polyalkylene oxalates, polyalkylene succinates, poly(malic acid), poly(maleic anhydride), polypeptides, polydepsipeptides, polyvinylalcohol, polyesteramides, polyamides, polyanhydrides, polyurethanes, polyphosphazenes, polycyanoacrylates, polyfumarates, poly(amino acids), modified polysaccharides, modified proteins and their copolymers, terpolymers or combinations or mixtures or polymer blends thereof.

Claim 26 (New): The method of promoting osteogenesis of claim 24, wherein the polymer matrix is selected from the group consisting of polyglycolide, poly(L-lactide-co-glycolide), poly(D,L-lactide-co-glycolide), poly(L-lactide), poly(D,L-lactide), poly(L-lactide-co-D,L-lactide), polycaprolactone, poly(L-lactide-co-caprolactone), poly(D,L-lactide-co-caprolactone), polytrimethylenecarbonate, poly(L-lactide-co-trimethylenecarbonate), poly(D,L-lactide-co-trimethylenecarbonate), polydioxanone and their copolymers, terpolymers or combinations or mixtures or polymer blends thereof.

Claim 27 (New): The method of promoting osteogenesis of claim 22, wherein the polymer matrix is selected from a group consisting of polyglycolide, polylactides, polycaprolactones, polytrimethylenecarbonates, polyhydroxybutyrates, polyhydroxyvalerates, polydioxanones, polyorthoesters, polycarbonates, polytyrosinecarbonates, polyorthocarbonates, polyalkylene oxalates, polyalkylene succinates, poly(malic acid), poly(maleic anhydride), polypeptides, polydepsipeptides, polyvinylalcohol, polyesteramides, polyamides, polyanhydrides, polyurethanes, polyphosphazenes, polycyanoacrylates, polyfumarates,

poly(amino acids), modified polysaccharides, modified proteins and their copolymers, terpolymers or combinations or mixtures or polymer blends thereof.

Claim 28 (New): The method of promoting osteogenesis of claim 22, wherein the polymer matrix is selected from a group consisting of polyglycolide, poly(L-lactide-co-glycolide), poly(D,L-lactide-co-glycolide), poly(L-lactide), poly(D,L-lactide), poly(L-lactide-co-D,L-lactide), polycaprolactone, poly(L-lactide-co-caprolactone), poly(D,L-lactide-co-caprolactone) polytrimethylenecarbonate, poly(L-lactide-co-trimethylenecarbonate), poly(D,L-lactide-co-trimethylenecarbonate), polydioxanone and their copolymers, terpolymers or combinations or mixtures or polymer blends thereof.

Claim 29 (New): A method of promoting osteogenesis comprising the steps of:
selecting polymer(s) or copolymer(s),
adding NMP to the polymer(s) or copolymer(s) in an amount between 0.05 and 50 weight- %,
mixing the polymer(s) or copolymers to form a polymer matrix,
forming an implant from said polymer matrix, and
implanting the implant into a recipient to promote osteogenesis.

Claim 30 (New): A method of promoting osteogenesis comprising the steps of:
selecting polymer(s) or copolymer(s),
mixing said polymer(s) or copolymer(s) to form a polymer matrix,
forming an implant from said polymer matrix,
adding NMP to the implant, wherein the NMP is present in an amount between 0.05 and 50 weight- %, and
implanting the implant into a recipient to promote osteogenesis.

Claim 31 (New): The method of promoting osteogenesis of claim 30, wherein the NMP is added to the implant preoperatively.